

**STATE ADVISORY COUNCIL ON
SCIENCE AND TECHNOLOGY
M I N U T E S**

Thursday, June 28, 2001

2:00 - 4:30 p.m.

Salt Lake City, UT 84114

MEMBERS & ASSOCIATE MEMBERS PRESENT:

SAUER, Dennis	Alliant Techsystems, Inc.
BREHM, Michael	Brehm Environmental LLC
EMBLEY, Phyllis	Jordan School District
ALLIS, Rick	Utah Geological Survey
JOHNSON, Susan	Futura Industries
MILLER, Brent	Utah State University

MEMBERS NOT PRESENT:

DOENGES, Peter	Evans and Sutherland, Corp
HOOPER, Gary	Brigham Young University
GESTELAND, Ray	University of Utah
TAKACH, Troy	Parvus Corporation
LUND, Gary	Thiokol Corporation
WADE, Joseph	Legislative Research
MOULDING, Brett	USOE
KULKARNI, Rajiv	Centers of Excellence
ROGERS, Earl	Dept of Agriculture

OTHERS PRESENT:

WINTERS, Suzanne	State Science Advisor
WALTERS, Clara	GOPB
HALE, Terri	Utah MESA/STEP

I. Call to Order/Introductions/Approval of Minutes

Suzanne Winters, State Science Advisor called the meeting to order at 2:10 p.m. Due to the lack of a quorum, approval of the April 25, 2001, minutes was tabled until the next Council meeting.

II. Follow-up Items

Proposal from Commission on Crime and Juvenile Justice

Camille Anthony was not able to send the updated proposal. It will be available at the next meeting.

Utah Partnership Influence Diagram

Val Finlayson provided a copy of the Influence Diagram discussed in the April Advisory Council meeting. The Partnership looked at areas in which they might have influence in the State and considered diverse entities involved in work force preparation, job creation, etc. Please refer to the minutes of April 25, 2001, for a full explanation of what the Utah Partnership is doing.

Action Item: Camille Anthony's updated proposal to the Council will be distributed at the next meeting.

III. Science Council Memberships - Suzanne Winters

Review of New Candidates

There are three open slots for members who have resigned or terms are fulfilled. Members who have left and need replacements are:

- Dianne Conrad
- Steve Jacobsen

Three nominations have been submitted to the Council, two of which could fill an environmental slot. The third comes from the biomedical category. Suzanne has also received two more names who also fit the biomedical area.

Members representing the diverse sectors of Utah's economy should be considered. Current members and the interests they represent are:

- Gary Hooper, Brent Miller and Raymond Gesteland - Academics
- Phyllis Embley - Education
- Gary Lund and Dennis Sauer - Aerospace
- Mike Brehm - Environmental
- Pete Doenges - Multimedia Hardware/Software
- Troy Takach - Information Technology/Controls
- Susan Johnson - Manufacturing

To balance the Council, it was proposed to look for candidates in a biomedical/biotechnology field. The complete State Advisory Council would then consist of the above fields as well as biomedical with the possibility of expanding to other fields.

At the Governor's Medal ceremony, Gary Hooper was introduced as the new Chairman of the Council and Troy Takach the Vice Chair. At the next meeting, the Council will elect a new Member-at-Large to replace Troy.

Action Item: Suzanne will followup on names to submit to the Governor.

The Council will elect a new Member-at-Large at the next meeting.

Review of Commitments

Gary wanted Suzanne to ask the Council how they can better energize, ask a greater commitment for attendance at meetings and assistance with projects from the members? Suggestions included:

- Choose new candidates that are not heavily involved with other groups
- Set meeting schedules one year in advance on the same day/time and adhere to them
- Send out a meeting reminder to all members
- Be cautious in taking on projects, so they are not redundant
- Create a standing committee within the Council that can be called on as needed, to work on various projects
- Give the Council a list of the present standing committees and request periodic reports from those committees

IV. Governor's Medal Criteria - Suzanne Winters for Gary Hooper

Gary asked for ideas on an expansion of the program, possibly getting a larger number of people

involved, not only in terms of application submissions, but better publicity and possible cash stipends. Some ideas mentioned were:

- Provide a scholarship in each category
- Provide a scholarship named for the winner or company represented

Implication involves significant fund raising for the Council and requires a commitment to solicit funds from companies and contacts.

- Enhance visibility to the public to make them more prestigious

It was decided to form a committee to review the Governor's Medal award criteria and possible expansion ideas including: scholarships, fund raising, team awards and distribution of the announcements. Dennis Sauer, Mike Brehm, Gary Hooper and Brent Miller (chair) will comprise the committee.

In discussing the Science Council's meeting format, Suzanne suggested informational items be brought to the Council on a semi-routine basis as was done previously. Other ideas included, returning to visit location sites for projects, such as museums and the Planetarium. She will evaluate presentations for informational items and bring each before the Council.

Action Item: Sub-Committee to review the Governor's Medal Award and report back to the full Council.

Action Item: All members will bring to the Science Advisory Council proposals for informational items and ideas for site visits on a semi-routine basis.

V. SVA (Silicon Valley Alliance) Task Group Report - Suzanne Winters

Much of what the Council has talked about falls under the Silicon Valley Alliance (SVA) and the Education Task Group formed to work under it. This group is responsible for identifying steps for implementation. Suzanne was called to co-chair the Education Task Group.

The Governor enumerated goals of the Education Task Group as listed below:

- 1) Define specific actions required to accomplish the objective of doubling the number of science and engineering graduates in 5 years (triple in 8 years).
- 2) Establish entrepreneurship training in Utah's colleges and universities.
- 3) Identify programs to ensure the state's K-12 programs are preparing technically-trained students for the growing engineering/CS programs as well as the related technology programs to meet the state's workforce needs.

A sub-committee of the Education Task Group has been formed to address each one of the three goals. The Science Advisory Council will address the third goal, K-12 Focus. Science Council members Pete Doenges, Phyllis Embley and Suzanne Winters will represent the Council, along with Val Finlayson, Rob Brems, Shari Kille, Daryl Simmons, Natalie Aposhian, Larry Madden and Jolynn Miller. Recommendations of two other people were made as additions to the group. The first meeting of the Sub-Committee will be scheduled for the end of July.

Once the Sub-Task Group's proposals are better defined, Suzanne would like to get some input from the UEA and USTA. Phyllis volunteered to provide those contacts.

Brent pointed out that committees formed by SVA may bring data to the table showing the level of support for the types of initiatives, introduced by Governor Leavitt, in neighboring states relative to what Utah is doing.

Action Item: Suzanne will set a meeting date on or around July 30, 2001, at 3:00 p.m. for the Education Task Force Sub-Committee of the Silicon Valley Alliance.

VI. Other Business

Informational Item:

Richard Gowan, President of South Dakota School of Mine Technology contacted Suzanne about a Science Council South Dakota's governor is forming. An initial project for the new Council is an old gold mine called the Homestake Mine, consisting of several miles of tunnels, 8,000 feet underground. Homestake is closing the mine. The State and the South Dakota School of Mine Technology are putting a proposal together and will submit it to the National Science Foundation (NSF) to become an underground Neutrino Laboratory for the NSF. Neutrinos are the only cosmic rays penetrating that far. There is a similar mine located in Canada. Gene Loh, who at one time chaired the Utah Science Council, is involved in cosmic ray research and provided the contact to Suzanne. She shared some history and how the Utah SAC came into being. Dr. Gowan sent Suzanne a video and overhead plates on what is proposed.

Suzanne welcomed a visitor to the Council, Terri L. Edler-Hale from Utah MESA/STEP, who is seeking information on science and technology.

The next meeting will be August 22, 2001 at 2:00 p.m., in room 127 of the State Capitol.

VII. Adjourn

The meeting was adjourned at 4:00 p.m.